References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.

---

### Literature Search

**ACR Appropriateness Criteria®
Central Venous Access Device and Site Selection**

Literature Search Performed on: 07/09/2021  
Beginning Date: January 2017  
End Date: June 2021  
Database: Ovid MEDLINE(R) ALL <1946 to July 07, 2021>

---

### Search Strategy

1. Central Venous Catheters/ (2701)  
2. Renal Insufficiency, Chronic/ (26738)  
3. Renal Dialysis/ (94304)  
4. Neoplasms/ (445746)  
5. Parenteral Nutrition/ (15655)  
6. Critical Care/ (55372)  
7. Veins/ (33152)  
8. 1 and (2 or 3 or 4 or 5 or 6 or 7) (774)  
9. (Central Venous Catheters/ae or Catheterization, Central Venous/ae) and Veins/ (139)  
10. (Central Venous Catheters/ae or Catheterization, Central Venous/ae) and Central Venous Catheter Insertions.tw. (13)  
11. 8 or 9 or 10 (906)  
12. limit 11 to (abstracts and english language and humans and yr="2017 -Current") (351)  
13. limit 12 to "all child (0 to 18 years)" (70)  
14. 12 not 13 (281)  
15. limit 14 to case reports (31)  
16. 14 not 15 (250)  
17. remove duplicates from 16 (250)

---

### Summary

<table>
<thead>
<tr>
<th>Source</th>
<th>#Unique Refs</th>
<th>#Retained Refs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Old bibliography</td>
<td>152</td>
<td>27</td>
</tr>
<tr>
<td>Literature Search(es)</td>
<td>250</td>
<td>22</td>
</tr>
<tr>
<td>Author Added</td>
<td>17</td>
<td>15</td>
</tr>
<tr>
<td>Supporting Docs</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>64</td>
</tr>
</tbody>
</table>

References from the literature search that were not retained had a poor study design, were not relevant to the topic, or had unclear or biased results.